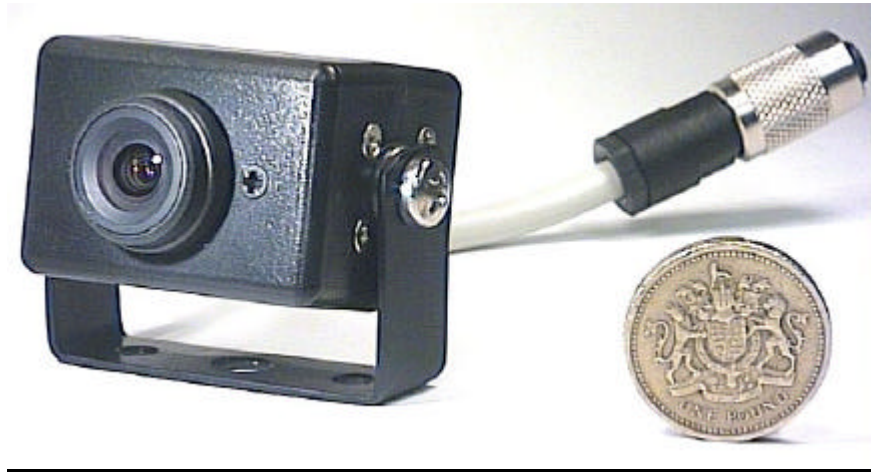




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ADVISION[®] AVCAM 702B

COMPACT COLOUR VIDEO CAMERA



Description

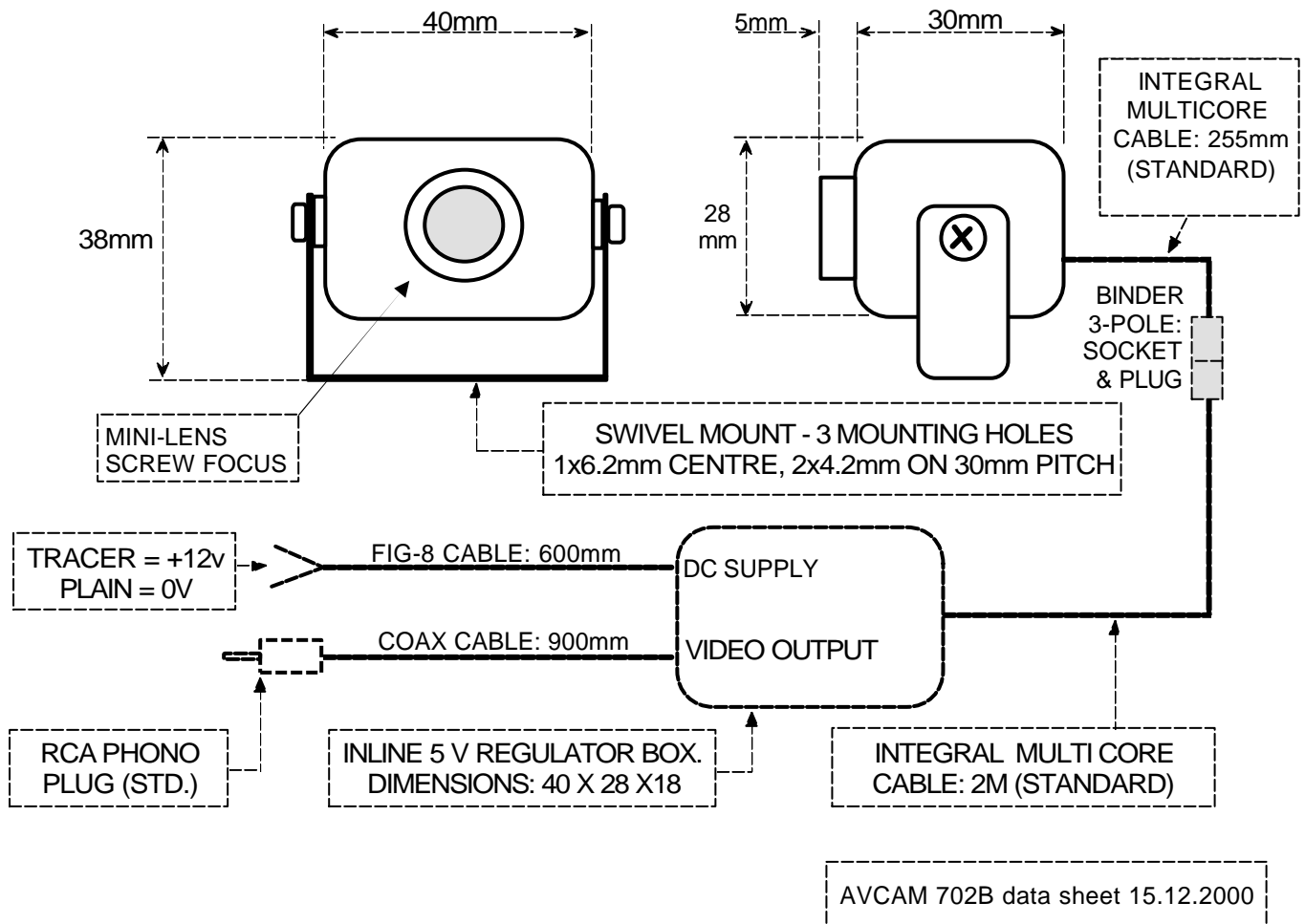
The AVCAM 702B Compact Colour Video Camera is a cost effective alternative to C-mount cameras, especially for covert or weight sensitive robotic applications.

The Camera is available with a choice of optional Mini -Lenses to suit most applications.

Features

- 4.0 x 3.0 x 2.8 cms
- In-Line Connector
- Swivel Mounting Bracket
- Light weight – 40 gms
- Interchangeable Lenses
- Operating Voltage: 6-15V DC

AVCAM 702B Compact Colour Video Camera		I ² C/PC S/W Controllable Parameters (Optional)					
Specifications							
CCD Imaging area	1/4 " format 3.61 mm (H) x 2.70 mm (V)						
Imaging System	Interline field accumulation PAL standard	➤ Mirror Image ➤ AGC/Gain control					
Horizontal scanning frequency	15.625 kHz	➤ Brightness/Contrast					
Vertical scanning frequency	50.00 kHz	➤ ELC target level control					
Number of scanned lines	625 lines	➤ Flickerless mode					
Frames per second	25 frames	➤ Manual Shutter					
Synchronisation	Internal synchronisation	➤ Edge Enhancement					
Video Output	VBS 1 V(p-p) / 75 R composite signal	➤ Black Level					
Resolution	Horizontal: Min. 330 lines (centre area) Vertical: Min. 350 lines (centre area)	➤ White Balance ➤ Colour Matrix					
S/N ratio	46 dB (with AGC OFF)	➤ Negative/Positive					
Minimum illumination	5 lx (at F2.0), 10 lx (at F2.8)	➤ Gamma					
AGC	On (preset)	➤ Knee Control					
ELC	On (preset)						
White Balance	ATW (preset)						
External connections	Integral multicore cable with Binder 3 pole in-line connectors, Phono Plug for Video O/P & bare wire ends for 12Vdc: 2m standard length (other lengths & connectors to order)						
Power supply range	6 – 15V DC						
Power consumption	132mA /1.6W @ 12V DC						
Temperature range	Operating (Actual use): -10°C ~ +50°C Guaranteed performance: -5°C ~ +35°C						
Humidity range	Operating: max 90 % Storage: 95% max						
Case material	Black ABS Plastic						
Bracke material	Black Anodised Aluminium						
Weight	40 grams						
		Lens Configurations					
		AVCAM 702B Model no.	Lens Type	Horizontal Field angle	Vertical Field angle	Max. Aperture	Focal Length (mm)
		2.5	Optional	84°	68°	F2.0	2.5
		3.8	Standard	54.0°	50.0°	F2.0	3.8
		4.6	Pin-hole	45°	34°	F2.8	4.6
		6	Optional	34.0°	26.0°	F2.2	6.0
		8	Optional	26.0°	19.0°	F2.5	8.0
		12	Optional	17.0°	13.0°	F2.5	12.0



AVCAM 702B data sheet 15.12.2000

Design & specifications subject to change without notice!